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Bruhat Bangalore Mahanagara Palike

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:-Comprehensive Developmental of Parks at GKVK Layout in Kempegowda Ward no 01

Est Cost: =300.00 Lakhs

Sl. No.	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
	Park Fencing Works								
1	**Dismantling barbed wire** or flexible wirer rope in fencing including making rolls and stacking within 50m lead including cost of materials, labour, HOM complete as per specifications								
	Park 1		1	115.00	1.80		207.00		
	Park 2		1	220.00	1.80		396.00		
	Park 3		1	440.00	1.80		792.00		
					Total		1395.00		
	Deduct for Open Boundry Eastern side		-1	210.00	1.80		-378.00		
	Consider 40% For Damaged Portion						558.00		
							180.00	7.42	1335.60
	Basic Rate Rs =	7.00							
	Add 6% A.W Rs =	0.42							
	Total Rate Rs. =	7.42							
2	KSRRB 200-8 **Clearing and grubbing** road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 (P.No.138, I.No.18.11 of PW, P&IWTD SR 2018-19)								
		Sqm							
	Park 1		1	46+52/2	12+5/2	49*8.5	416.50		
	Park 2		0.5	60.00	90.00		2700.00		
	Park 3			12+55/2	176+210/2	33.5+193	6465.50		
							9582.00	10.60	101569.20
	Basic rate	10.00							
	Area Weightage 6%	0.60							
	Total	10.60							
3	KSRB 2-2.2 : Earthwork excavation for **foundation of buildings**, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5.								
	Compound Wall	Cum							
	Park 1		1	115.00	1.00	1.20	138.00		
	Park 2		1	220.00	1.00	1.20	264.00		
	Park 3		1	440.00	1.00	1.20	528.00		
	Debris		1	35.00	2.00	0.30	21.00		
					Total Qnty		951.00	475.94	452618.94
	Basic rate	449.00							
	Area Weightage 6%	26.94							
	Total	475.94							
4	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs. with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 12/I.No. 4.2 of CSR 2015-16)								
	Bed Concrete	Cum							
	Park 1		1	115.00	0.90	0.15	15.53		
	Park 2		1	220.00	0.90	0.15	29.70		
	Park 3		1	440.00	0.90	0.15	59.40		
					Total Qnty		104.63	5505.64	576027.59
	Basic rate	5194.00							
	Area Weightage 6%	311.64							
	Total	5505.64							

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5	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
	Basement								
	Park 1		1	115.00	0.6	0.8	55.20		
	Park 2		1	220.00	0.6	0.8	105.60		
	Park 3		1	440.00	0.6	0.8	211.20		
						Total Qnty	372.00	4763.64	1772074.08
	Basic rate	4494.00							
	Area Weightage 6%	269.64							
	Total	4763.64							
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
	Suprstructure	Cum							
	Park 1		1	115.00	0.4	0.6	27.60		
	Park 2		1	220.00	0.4	0.6	52.80		
	Park 3		1	440.00	0.4	0.6	105.60		
						Total Qnty	186.00	5811.98	1081028.28
	Basic rate	5483.00							
	Area Weightage 6%	328.98							
	Total	5811.98							
7	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. – do – cement mortar 1:3								
	Pointing	Cum							
	Park 1		2	115.00		0.6	138.00		
	Park 2		2	220.00		0.6	264.00		
	Park 3		2	440.00		0.6	528.00		
					Total		930.00	103.88	96608.40
	Basic rate	98.00							
	Area Weightage 6%	5.88							
	Total	103.88							
8	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2015-16)								
	Copping								
	Park 1		1	115.00	0.40	0.10	4.60		
	Park 2		1	220.00	0.40	0.10	8.80		
	Park 3		1	440.00	0.40	0.10	17.60		
					Total		31.00	5747.32	178166.92
	Basic rate	5422.00							
	Area Weightage 6%	325.32							
	Total	5747.32							
9	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.								
	Filling Sand	Cum							
	Total Earth Work						930.00		
	Deduction								
	Bed Concrete						-104.63		
	Foundation						-372.00		
	Basement						-186.00		
					Total		267.38	128.26	34293.52
	Basic rate	121.00							
	Area Weightage 6%	7.26							
	Total	128.26							

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10	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)								
	Vidhanasowda Gril	**Sqm**							
	Park 1		1	115.00	1.80		207.00		
	Deduct Gate		-1	5.00	1.80		-9.00		
	Park 2		1	240.00	1.80		432.00		
	Deduct Gate		-2	5.00	1.80		-18.00		
	Park 3		1	440.00	1.80		792.00		
	Deduct Gate		-2	5.00	1.80		-18.00		
							1386.00	9144.00	12673584.00
11	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate								
	Vidhanasowda Gril Gate	**Sqm**							
	Park 1		1	5.00	1.80		9.00		
	Park 2		2	5.00	1.80		18.00		
	Park 3		2	5.00	1.80		18.00		
							45.00	12475.00	561375.00
12	**PARK PATHWAY AND CIVIL WORKS** **KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.143, I.No.19.1 of PW, P&IWTD SR 2018-19)**								
		Cum							
	Pathway								
	Park 1		1	113.00	1.80	0.20	40.68		
	Park 2		1	210.00	1.80	0.20	75.60		
	Park 3		1	430.00	1.80	0.20	154.80		
	Connecting Pathway								
	Park 3 (20m +30m)		1	50.00	1.80	0.20	18.00		
	Platform For Benches		44	2.50	1.50	0.30	49.50		
							338.58	211.79	71707.18
	Basic rate	130.00							
	Loading and unloading with 5km lead= 57+2.0x1.28x5 = 69.80	69.80							
	Area Weightage 6%	11.99							
	Total	211.79							
13	KSRB 4-1 6 , Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum. machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PW, P&IWTD SR2016-17)								
		Sqm							
	Platform For Benches		44	2.50	1.50	0.100	16.50		
	Park 1		1	46.00	0.20	0.15	1.38		
	Park 2		1	210.00	0.20	0.15	6.30		
	Park 3		1	445.00	0.20	0.15	13.35		

	Connecting Pathway								
	Park 3		1	50.00	0.20	0.15	1.50		
							39.03	5876.28	229351.21
	A.Basic rate	5441.00							
	B.Area Weightage 6%	435.28							
	Total	5876.28							
14	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm. (P.No 112, I.No.14.61.2 of PW,P&IWTD S.R 2018-19)								
	Flooring slab	Sqm	44	2.50	1.50	--	165.00		
	Granite stone around Bench		44	8.00	0.30	--	105.60		
							270.60	2097.74	567648.44
	A.Basic rate	1979.00							
	B.Area Weightage 6%	118.74							
	Total	2097.74							
15	KSRRB M400-19. Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 (P.No155 of I.No.20.20 in PW,P&IWTD SR 2018-19)								
	Pathway	Cum							
	Park 1		1	46.00	1.80	0.20	16.56		
	Park 2		1	210.00	2.00	0.20	84.00		
	Park 3		1	445.00	2.00	0.20	178.00		
	Connecting Pathway								
	Park 3		1	50.00	2.00	0.20	20.00		
	Platform For Benches		44	2.50	1.50	0.20	33.00		
							331.56	221.54	73453.80
	A.Basic rate	209.00							
	B.Area Weightage 6%	12.54							
	Total	221.54							
16	KSRRB M400-17: Providing, laying, spreading and compacting graded stones aggregate to Wet Mix Macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mix method of tipper to site,Laying in uniform layers with paver in subbase/base course on the well prepared surface and compacting with vibratory rollers to achive the desired density complete as per MORTH specification No. 406.etc with all lead and lifts and as per directions of the Engineer-in-charge(Page No:155 Item No. 20.18, of KPWD SR Bangalore Circle 2018-19)								
		cum							
	Park 1		1	113.00	1.80	0.15	30.51		
	Park 2		1	210.00	2.00	0.15	63.00		
	Park 3		1	430.00	2.00	0.15	129.00		
	Connecting Pathway								
	Park 3 (20m +30m)		1	50.00	2.00	0.15	15.00		
							237.51	2001.28	475324.01
	A.Basic rate	1888.00							
	B.Area Weightage 6%	113.28							
	Total	2001.28							
17	KSRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No 103 of I.No.14.6 in PW,P&IWTD SR 2018-19)								
		Sqm							
	Pathway								
	Park 1		1	46.00	2.50		115.00		
	Park 2		1	210.00	2.50		525.00		
	Park 3		1	445.00	2.50		1112.50		
	Connecting Pathway								
	Park 3		1	50.00	2.50		125.00		

								1877.50	1116.18	2095627.95
	Basic rate	1053.00								
	Area Weightage 6%	63.18								
	Total	1116.18								
18	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (P.No 27 of I.No.5.30 in PW,P&IWTD SR 2018-19)									
	Pathway	Nos						204.00		
	Park 1		2	46.00				933.00		
	Park 2		2	210.00				1978.00		
	Park 3		2	445.00						
	Connecting Pathway							222.00		
	Park 3		2	50.00				3337.00		
								7415.56	432.48	3207079.47
	Basic rate	408.00								
	Area Weightage 6%	24.48								
	Total	432.48								
19	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180, Iitem no 24.1 of KPWD S.R Bangalore Circle 2018-2019)									
	Pathway	Nos								
	Park 1		2	46.00		0.35	32.20			
	Park 2		2	210.00		0.35	147.00			
	Park 3		2	445.00		0.35	311.50			
	Connecting Pathway									
	Park 3		2	50.00		0.35	35.00			
								525.70	84.80	44579.36
	Basic rate	80.00								
	Area Weightage 6%	4.80								
	Total	84.80								
20	Supplying and Fixing of Garbage bins rectangular with permanent structure series without arch 100litre capacity approved by Engineer in charge									
	Garbage Bins	No's						3.00		
								3.00	18450.00	55350.00
	Approved Data Rate	18450.00								
21	Executive bench made out of sadaralli grey stone with hand suport 3 line finishing with arch desiagn with 100cm slabs height 90% length 45cms (data approved rate)									
	Stone Benches	No's	44					44		
								44	18200.00	800800.00
	Approved Data Rate	18200.00								

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Bruhat Bangalore Mahanagara Palike

	Total Amount	2,51,49,602.95
	GST 12% ON Total A	30,17,952.35
	DPR 1 %	2,81,675.55
	PMC 1 %	2,81,675.55
	ADD Tender Premium 5%	12,57,480.15
	Miscellaneous and unforeseen charges	11,613.44
	Grand Total	3,00,00,000.00

Certificate.

1 The rates adopted based on the PWD SR, Bangalore circle for year 2018-19.
2 The provisions made in the estimate are necessary and essential.
3 The workspot was inspected and work is found to be necessary.
4 The area comes within the Bruhat Bangalore Mahanagara Palike limits.

Technical Sanction
Accorded For AS 3.0 Lakhs only
Head of A/C P. 3783
CER NO :...LUE..... Dt:..17.11.2020

LTA — CE (NNK).

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

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Administrative Sanction for Rs. ....300.00 Lakhs
Rupees Three Crore only
.....
is accorded under head P-3783
Development of parks in ward
No. 01, 03 & 04
Registered as CE No. ....101..... Subject
to conditions contained in enclosed memo
No. BBMP/EE/NNK/AS/101/20-21 Dt. 9/11/21

Executive Engineer